

Subject Index

A

Abstinence 135
 Acetylcholine 470
 Active avoidance 215, 470
 Adenylate cyclase 267
 Adolescents 115
 α_2 -Adrenoceptors 219, 320
 Aggression 444
 Aggregation 48
 Aging 100, 236
 Alcohol 186, 254
 Alcoholism 196
 Alertness 224, 513
 Alpha-2 receptors 35
 Ambient temperature challenge 301
 Amnesia 358
 Amphetamine 52, 241, 365
 Amphetamine-conditioned excitation 393
d-Amphetamine 84, 247
 (+)-Amphetamine 365
 Amygdala 491
 Analgesia 444
 Animal model 393
 Animal models 122
 Animals 135
 Anti-conflict 371
 Antidepressant drugs 150
 Antidepressants 30, 42, 127, 350, 431
 Antinociception 327, 524
 Antipsychotic drug treatment 278
 Anxiety 14, 30, 35, 180, 313, 371
 Anxiogenic 96
 Anxiogenic drug 35
 Anxiolysis 157
 Anxiolytic 96
 Anxiolytics 106
 Apomorphine 68, 164
 Atypical antidepressant 340

B

Baclofen 398
 Barbiturate stereoisomers 334
 Barbiturates 334
 Basal ganglia 236
 Behavioral pharmacology 424
 Behaviour 25, 219
 Behavioural assessment 164
 Behavioural check list 164
 Behavioural despair 127, 340
 Behavioural tolerance 186
 Benzodiazepine antagonist 8
 Benzodiazepine receptor 180
 Benzodiazepine/opioid systems interaction 438
 Benzodiazepines 106
 Biogenic amines 42
 Blood alcohol level 254
 Brain 157
 Brain levels 441
 Brain temperature 301
 Bremazocine 313
 Brofaremine 110
 BZ₁ and BZ₂ receptor subtypes 459

C

Caffeine 308, 365
 Carbamazepine 340
 CAT 58
 Catalepsy 73
 Cessation 135
 CGS 8216 491
 Chlordiazepoxide 327, 491
 Chlorisondamine 376
 Chlorpromazine 68
 Choline 58
 Choline uptake 58
 Cholinergic system 292
 Cigarette smoking 115, 424
 Cinnarizine 513
 Circadian rhythms 382
 Classical conditioning 52, 524
 Climbing 68
 Clonidine 393
 Clonidine treatment 320
 Clonidine-induced sedation 219
 Clorgyline 42
 CNS inhibitory neurotransmitter 157
 CO absorption 465
 Cognitive processes 405
 Competitive antagonism 508
 Computerized behavioral recording 122
 Concentration 224
 Conditioned interoceptive stimuli 35
 Conditioned place aversion 376
 Conditioned place preference 84
 Conditioned response 444
 Conditioned taste aversion 48
 Conditioning 210
 Conflict 96, 491
 Consumption 254
 Cortisol 14, 110
 Cross tolerance 210
 CSF 144
 Cumulative dose-response functions 327
 Cyclazocine 529

D

Decision making 416
 Defeat 444
 Delayed alternation 58
 Delta-3-tetrahydrocannabinol 505
 (-)-Deprenyl 42, 382
 Depression 169
 Desipramine 431, 441
 Desmethyl-desipramine 441
 Development 438
 Developmental effects of valproate in rats 173
 Dexamphetamine 484
 DGAVP 224
 Diazepam 100, 324, 416
 Differential reinforcement-of-low-rate schedule 186
 Discrimination 229
 Dopamine 89, 164, 169, 262, 343, 365, 470
 Dopamine (DA) 371

Dopamine metabolites 236
 Dopamine receptor subtypes 278
 Dopaminergic supersensitivity 285
 Dose-response 376
 Drinking 96, 254
 Drinking alcohol 301
 Drug dependence 424
 Drug discrimination 30, 313, 334, 529
 Drug effects 292
 Drug self-administration 424
 DSP4 247
 D1 receptors 343
 D2 dopamine receptor 236
 D2 receptors 343
 D₁ and D₂ radioligand binding 285
 D₁ and D₂ rotational behavior 285

E

Eating 192
 Effects of prenatal valproate 173
 Enantiomers 505
 β -Endorphin 229
 Endurance training 236
 Environmentspecific conditioning 365
 Epinephrine 229
 Ergometrine 350
 Ethanol 78, 210, 215, 254, 524
 Ethyl alcohol 301
 Ethylketazocine 508
 Exploration 78, 106, 180
 Extinction 206, 343

F

Feeling state 513
 Fentanyl 313
 FG 7142 491
 Fixed-ratio schedule 186
 Fluphenazine 68
 Food constituent 308
 Food intake 484
 Forced swimming test 441
 Forepaw treading 520
 FSH 110

G

GABA 73, 89, 491
 GABA delivery system 157
 GABA receptors 398
 Genetic strain 473
 Glucose solution 192
 Gnawing 192
 Gnawing behavior 89
 Grooming 164
 Growth hormone 14

H

Habituation 78
 Half-life 358
 Haloperidol 52, 206
 Head shake response 150
 Head shakes 520

Heart rate 118
Heroin withdrawal syndrome 320

5-HIAA 144, 431
Holeboard behaviour 416

³H-Ro 15-1788 8
Housing 48

5-HT receptors 520
L-5-HTP 96

5-HT 58, 96
Human growth hormone 110

Humans 144, 186, 224, 424
Hunger 484

HVA 144, 431
Hydralazine 210

6-hydroxydopamine-induced lesions 285

Hydroxy-metabolites 68
5-Hydroxytryptamine-noradrenaline interactions 219

5-Hydroxytryptophan 520
Hyperthermia 452

Hypothermia 68, 210, 452

I

Ibotenic acid 292
ICS 205-930 520

Incentive motivation 206
Inhibitory avoidance 229

Interaction 89
Irreversible ligand 285

Isolation 48

K

Ketanserin 520

L

Lateralized activity 52
Learning 405

Levomopromazine 68
LH 110

Limbic 73
Lithium 393

Locomotion 106
Locomotor activity 78, 215, 350

Locomotor behavior 206
Locus coeruleus 1

Lorazepam 358
Ly 171555 285

M

Man 135
Mania 393

MAO-inhibiting antidepressants 382
Marmoset 478

MCPP 14
MDL 72222 520

Memory 100, 224, 229, 292, 388, 398, 405

Metergoline 484
Methamphetamine anorexia 340

5-Methoxy-N,N-dimethyltryptamine 520

Methylphenidate 84, 89
1-Methyl-4-phenylpyridinium ion 470

1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine 470

Methysergide 491, 520
Metoclopramide 343

MHPG 431
Mice 89, 106, 127, 219, 229, 301

Midazolam 491
Monkeys 196, 292

Monoamine oxidase 42
Mood 224, 308

Morphine 48, 313, 324, 327, 438, 473, 508

Mouse 78, 180, 388, 438
Mouse staircase test 324

MR 2034 313
Muscimol 73, 89

N

NA α_2 receptors 42
Naloxone 215, 229, 508

Naltrexone 444
Neuroleptic drugs 393

Neuroleptics 122, 206, 350, 405
Nicotine 84, 135, 376

Nicotine dependence 465
Nicotine gum 424

Nicotine heart-rate tolerance 465
Nicotine plasma levels 424

Nicotinic receptors 25, 135
Nitrous oxide 324

N-Monodesmethyl metabolites 68
Nocturnal penile tumescence 110

Noloxone 473
Noradrenaline 247

Norepinephrine 169, 382
Nortriptyline 169

Novelty 206, 229
Nucleus accumbens 350

Nucleus basalis of Meynert 292

O

Object recognition 58
8-OH-DPAT 192, 491

Ontogeny 89
Ontogeny of hot-plate analgesia 438

Ontogeny of locomotor activity 438
Open field 215

Operant behaviour 247, 327, 416
Opiate 438

Opiates 48, 444, 452, 473
Opioid peptides 444

Opioid receptor antagonists 444
Oral movements 122

Oxazepam 358

P

Pain 444

Parkinson's disease 470
Partial reinforcement 52

Passive avoidance 388, 398
Pavlovian fear conditioning 35

Pentylenetetrazol 313
Performance 100, 308, 513

Pharmacodynamics 459
Pharmacokinetics 254

Phencyclidine 313
Phosphoinositide hydrolysis 267

Physiology 1

Pigeons 334, 508

Pimozide 262, 343

Pineal gland 382
Pinnae reflex 150

Piracetam 58
Piracetam + choline 58

Pirenperone 520
Place preference 473

Plasma levels 144
Plasma morphine levels 452

Platelet adenylate cyclase 320
Plus-maze 180

Position Emission Tomography 241
Positron emission tomography 278

3-PPP enantiomers 371
Pregnant mice 8

Prenatal oxazepam 438
Probenecid 144

"Pro"-conflict 371
Prolactin 14, 110

Promethazine 513
Propranolol 484

Psychiatry 1
Psychoactive drug 513

Psychoactivity 505
Psychological assessment 513

Psychomotor 100
Psychopharmacology 1

Psychosis 405
Punishment 30

Q

Quantitative 8
Quazepam 459

R

Raclopride 278

Rat 58, 73, 96, 164, 215, 247, 313, 350, 376, 393, 416, 473, 478, 491, 524

Rats 25, 48, 84, 150, 327, 343, 441, 529

Reaction time 513
Receptor antagonists 388

Rectal temperature 301
Refractory depression 431

Reinforcement 42, 84, 135
Repeated testing 452

Reserpine 431
Retention 229

Retrieval 388
Reward 343

RO 15-1788 491
Rotational behavior 52

S

1S and 1R 505
Saccharin 473

SCH 23390 278, 343
Schedule-controlled behaviour 186, 508

Schedules of reinforcement 444
Schizophrenia 241, 405

Scopolamine 513
Sedation 106

Self-administration 254
Self-stimulation 42

Serotonin 14, 150, 267, 382, 388, 491

Serotonin agonists 478
 Serotonin antagonists 478
 Serotonin binding sites 267
 Serotonin receptors 267
 Serotonin uptake 169
 SK & F 38393 164
 SKF 38393 285
 Skin temperature 118
 Sleep 110
 Smoker typology 465
 Smoking 118, 135
 Smoking deprivation 465
 Social influences 196
 Solid food 192
 Staircase test 106
 Stereotypy 164
 Stimulant 308
 Stimulants 180
 Stimulation 25
 Stress inoculation 35
 Striatum 73
 Subjective effects 115, 118
 Successive discrimination 491
 Sucrose preference 262

Sulphoxide metabolites 68

T

Tail suspension test 127
 Tail-flick 524
 Tardive dyskinesia 122
 Testosterone 110
 Theories of tolerance 452
 Therapeutic index 106
 Thought 405
 Thymoxamine 484
 Time-course 376
 Tobacco 135
 Tolerance 78, 118, 210, 327, 444, 524
 Tremor 470, 520
 Triazolam 459
 Two-bottle test 262
 Two-way avoidance 58

U

U 69593 313

V

Valproate 173
 Valproate behavioral teratogenicity 173
 Valproic acid 173
 Variability 48
 Variable interval schedule 343
 Variable-interval schedules 247
 Vigilance 308
 Visual analogue scale 484
 Vogel test 96, 371

W

Water intake 416
 Whole body autoradiography 8

Y

Y-maze 229
 Yohimbine 35